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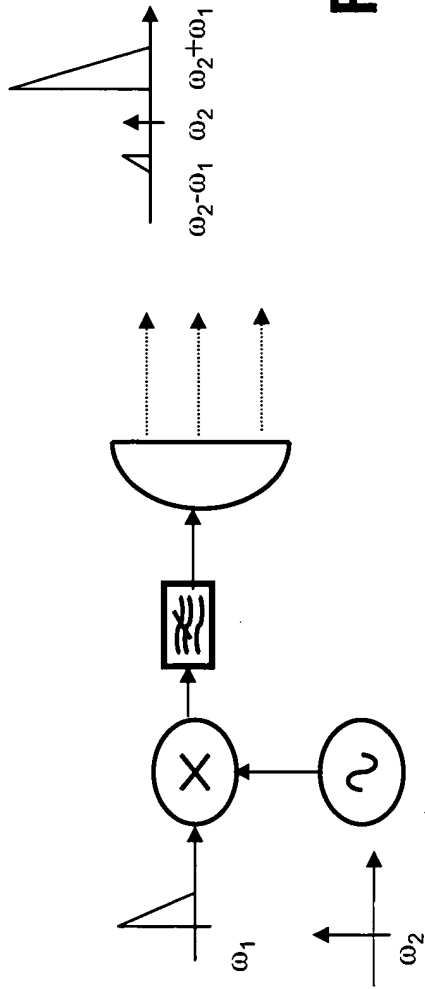


FIG. 1

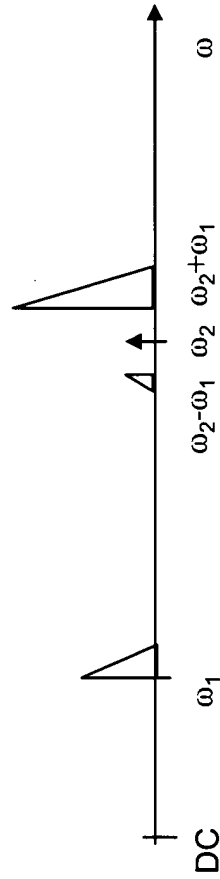


FIG. 2

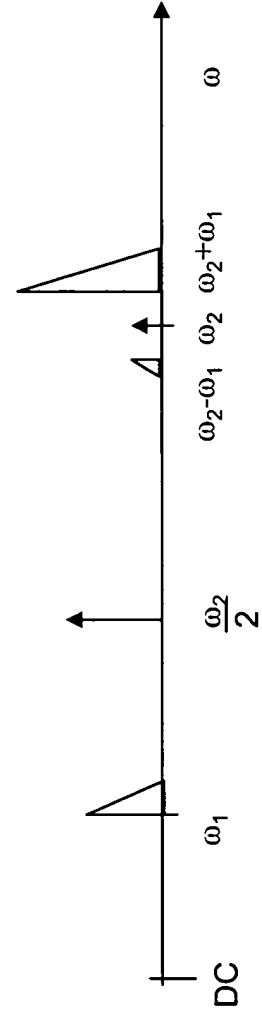
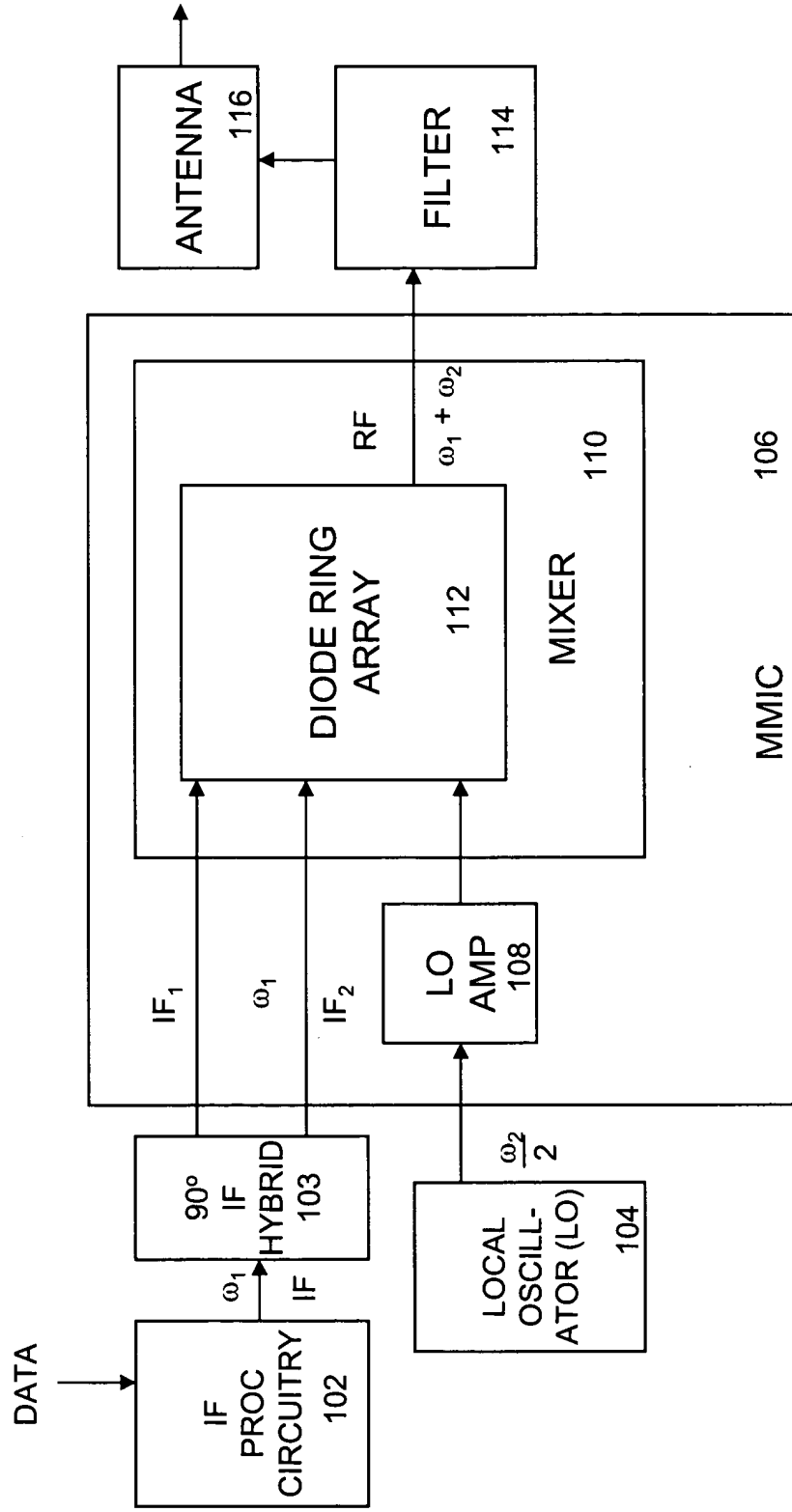
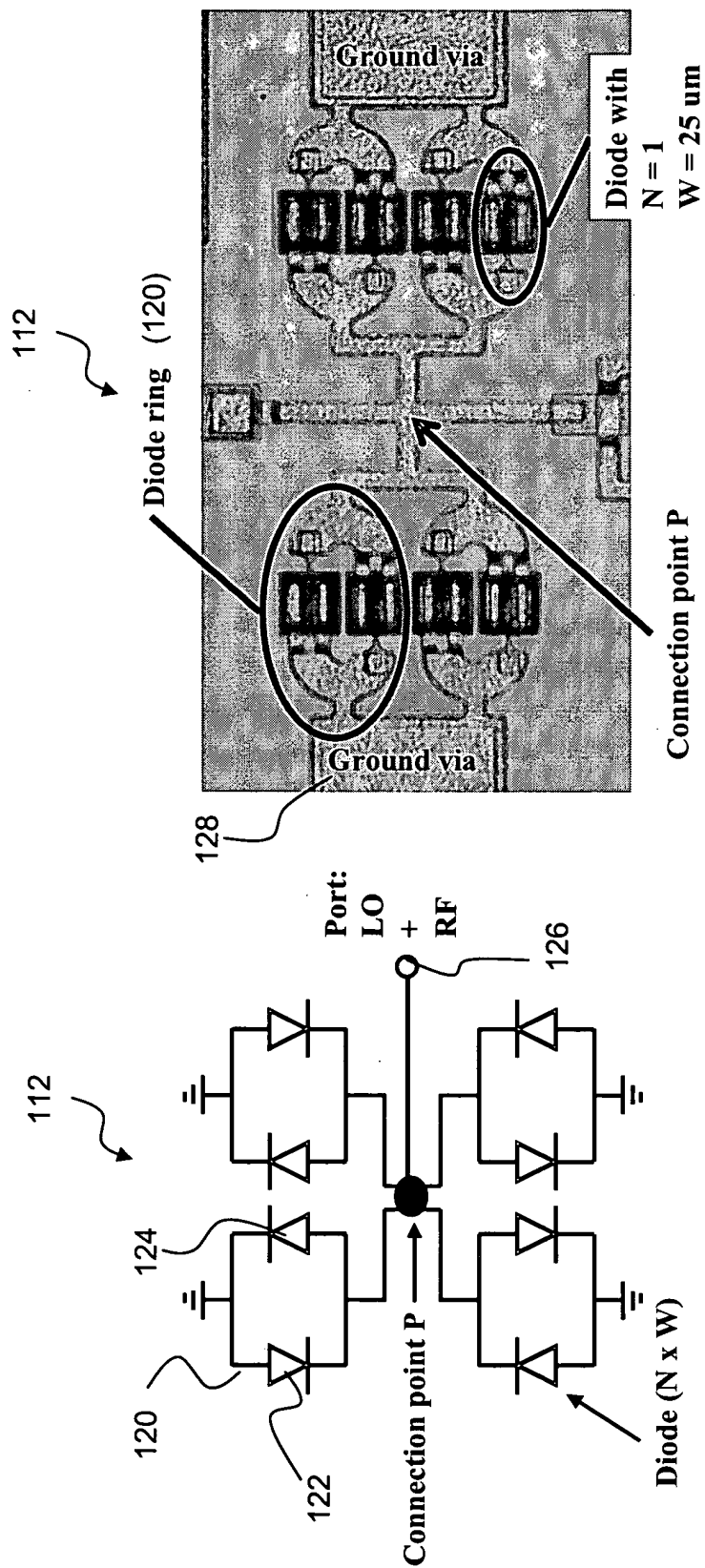


FIG. 3B

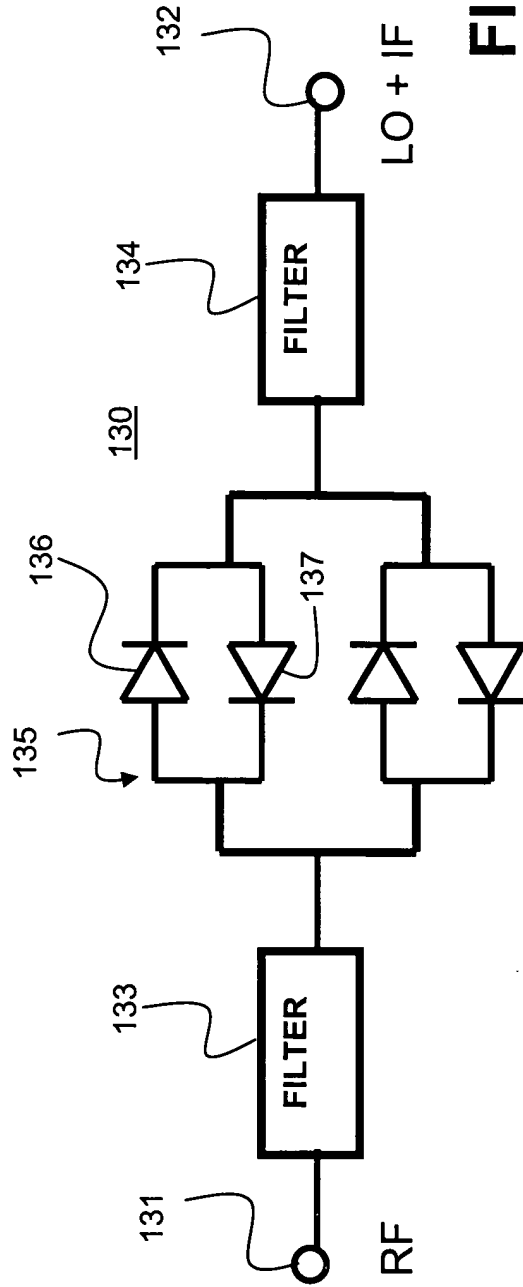


**FIG. 3A**

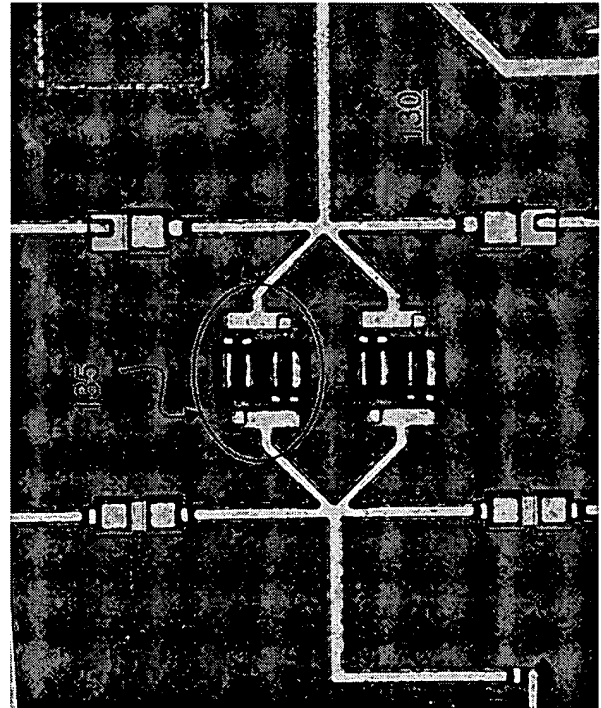


**FIG. 4A**

**FIG. 5A**



**FIG. 4B**



**FIG. 5B**

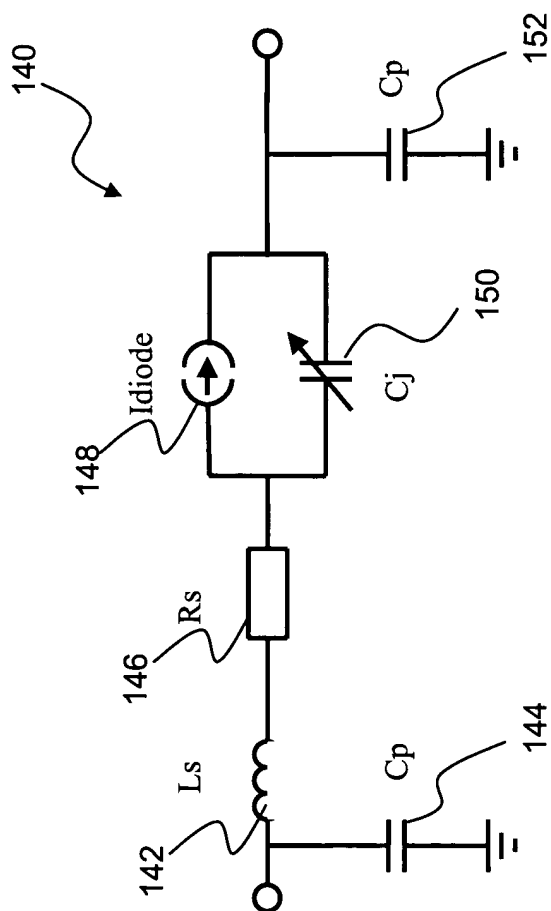


FIG. 6

FIG. 7

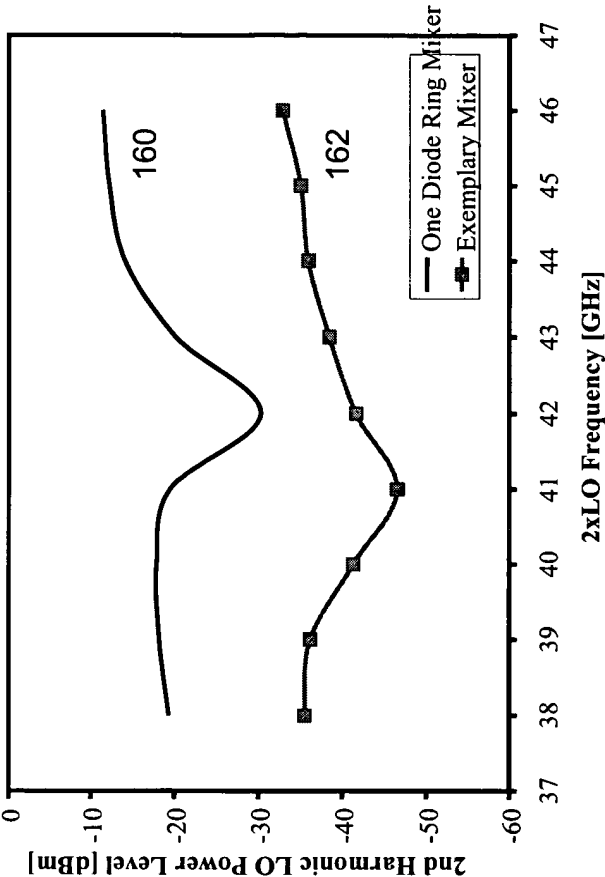
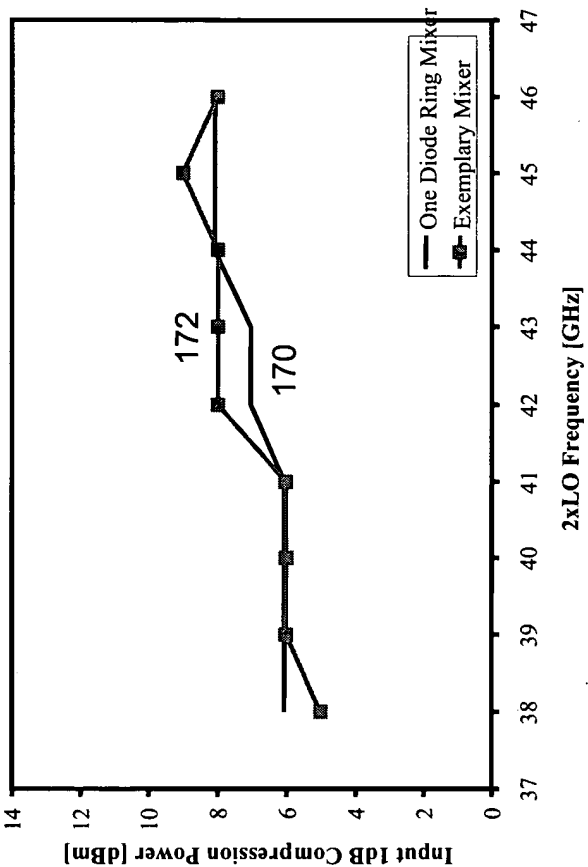
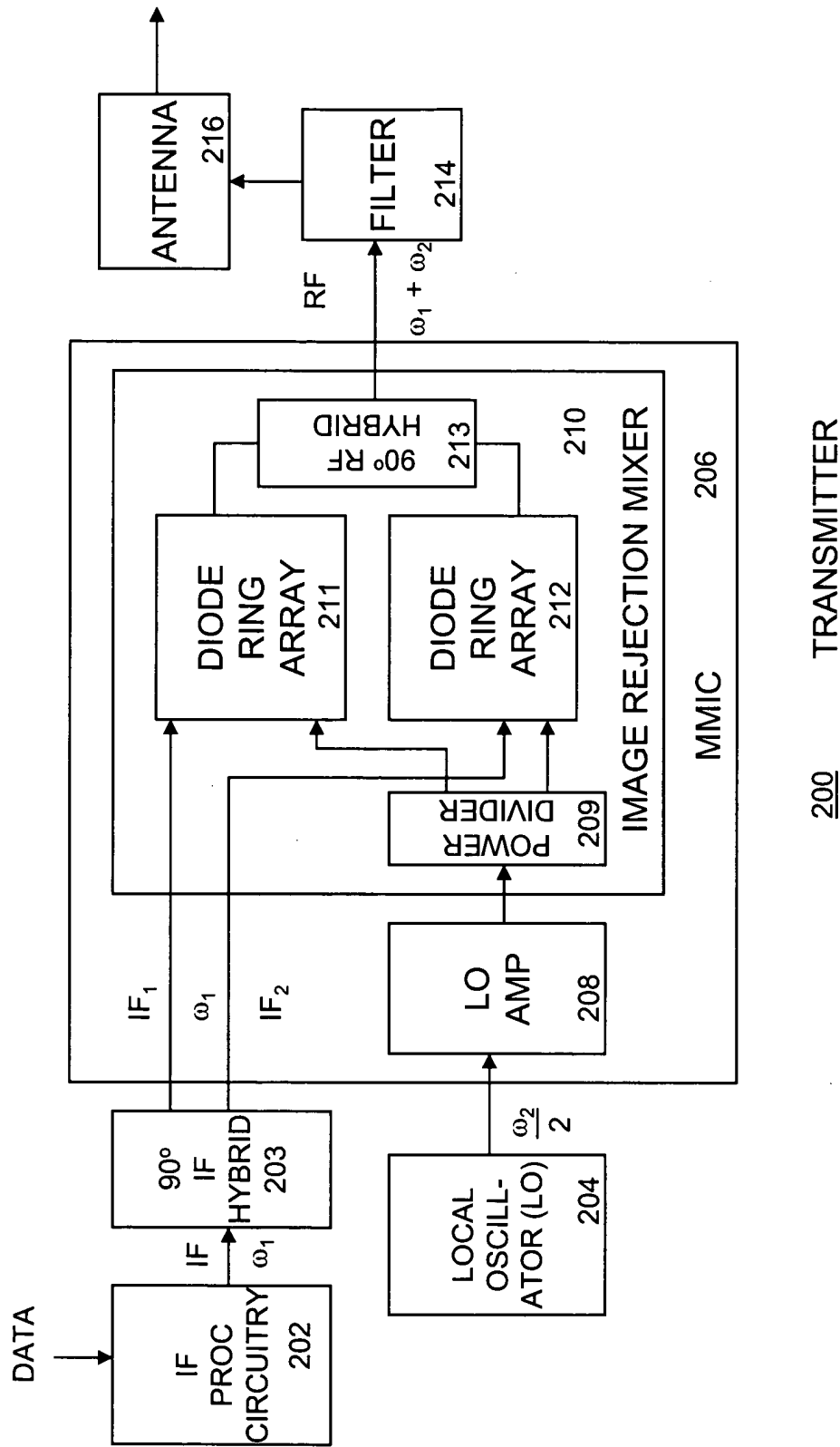


FIG. 8





**FIG. 9**





Performance of Parallel Connected Mixer  
fIF = 2.1 GHz; PLO = 20 dBm

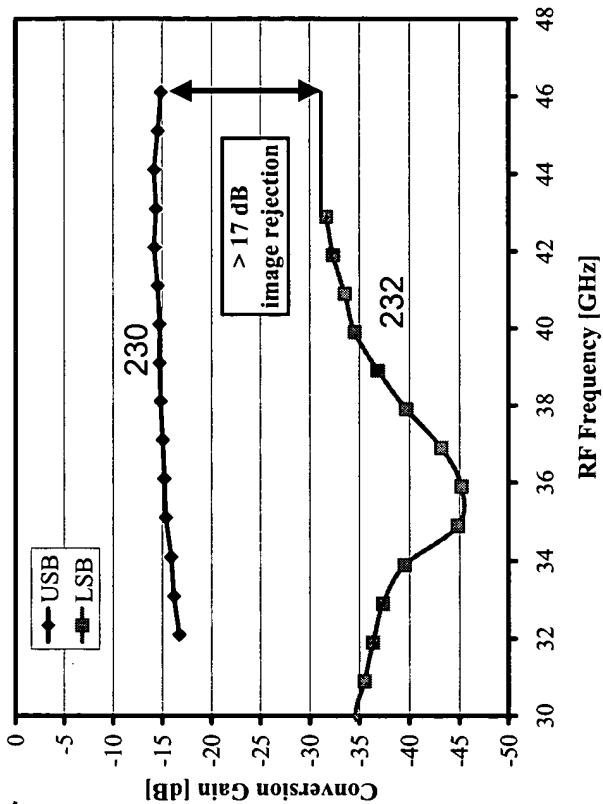


FIG. 11

Performance of Parallel Connected Mixer  
fIF = 2.1 GHz; PLO = 20 dBm

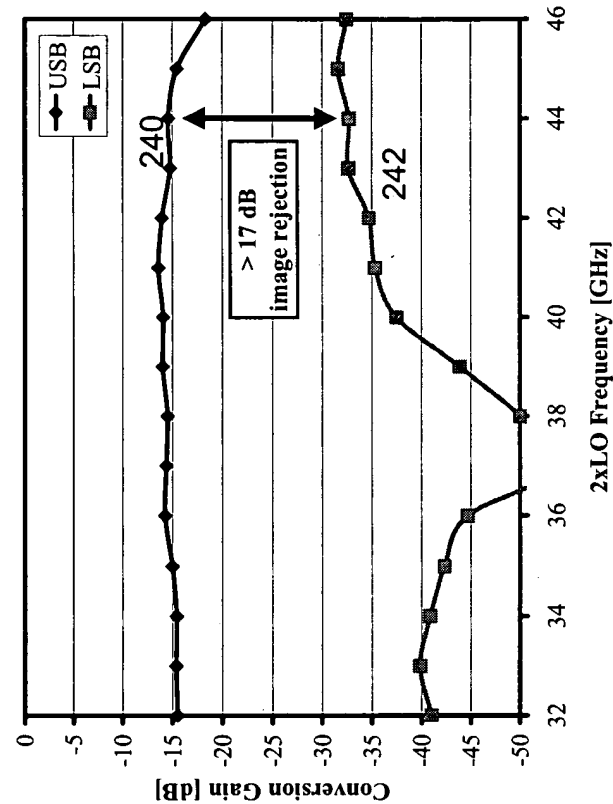


FIG. 12

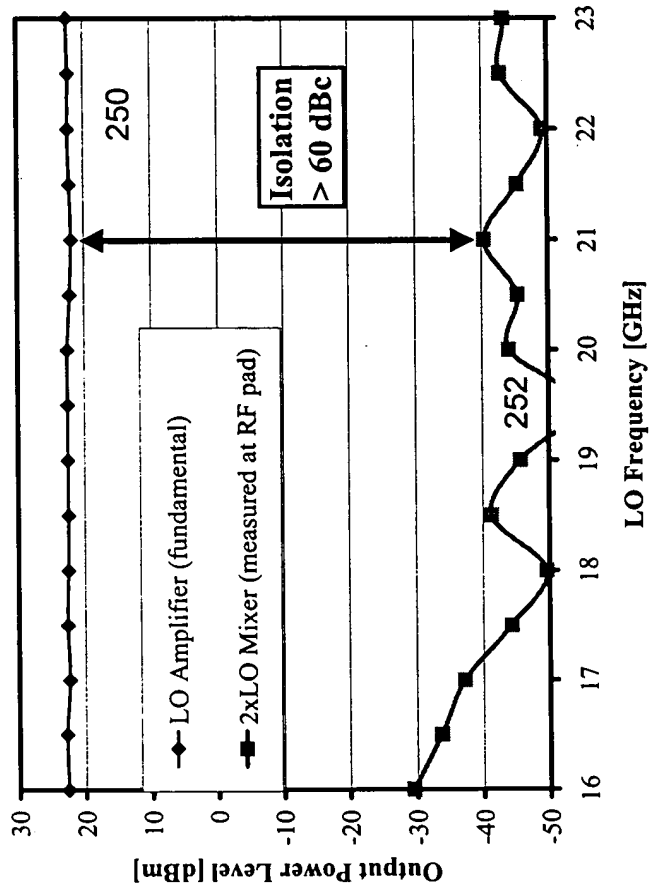


FIG. 13A

Performance of Parallel Connected Mixer  
 $f_{IF} = 2.1 \text{ GHz}$ ; PLO = 20 dBm

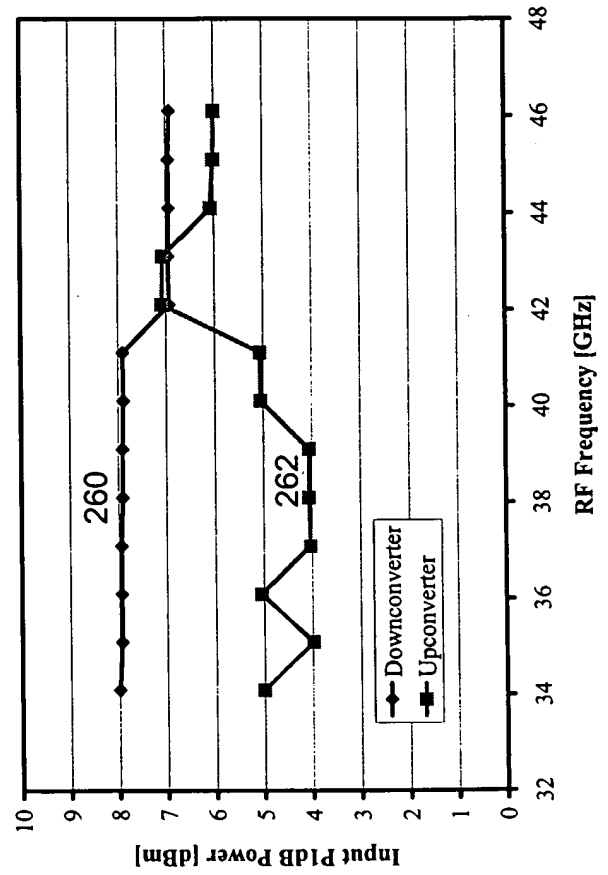
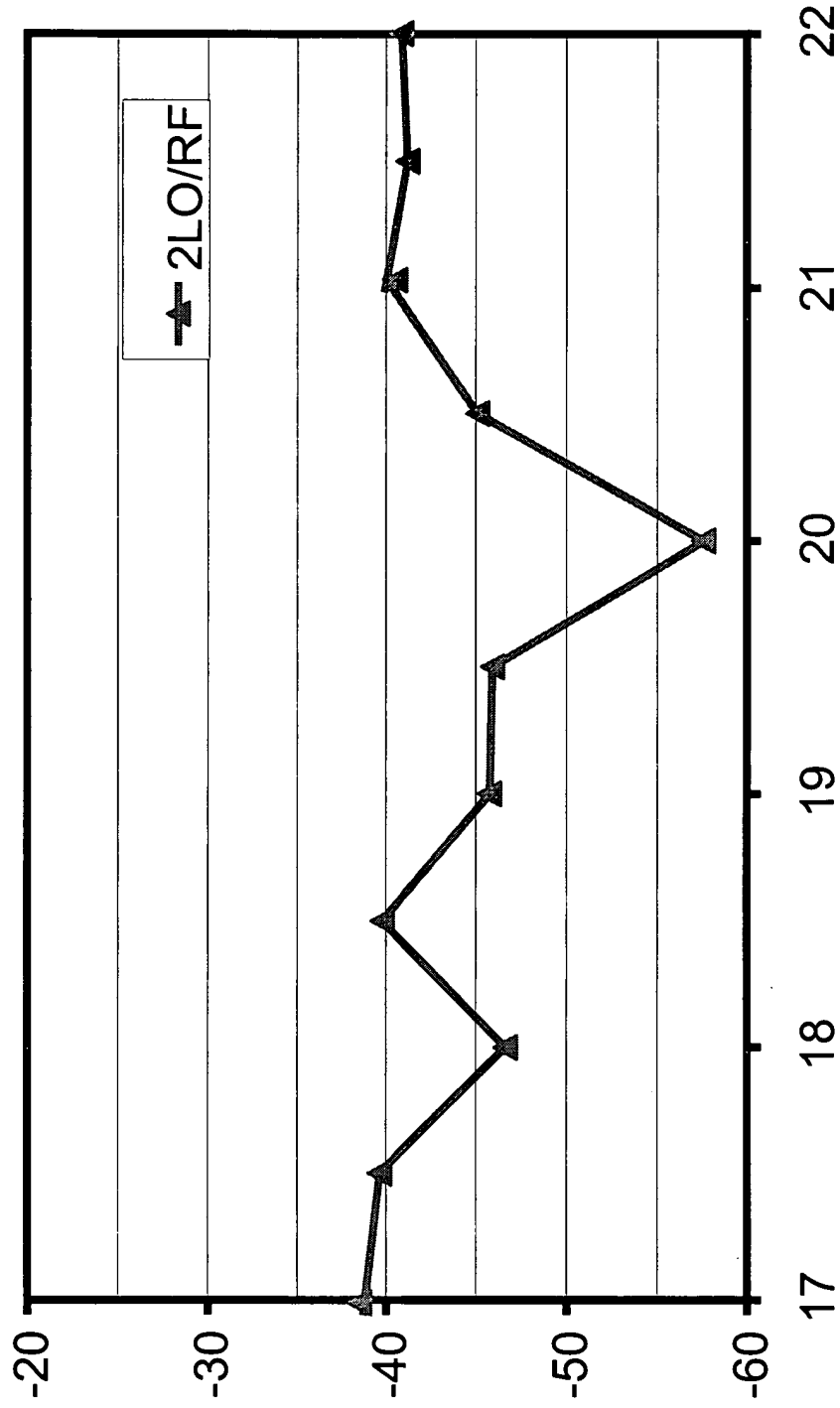


FIG. 14

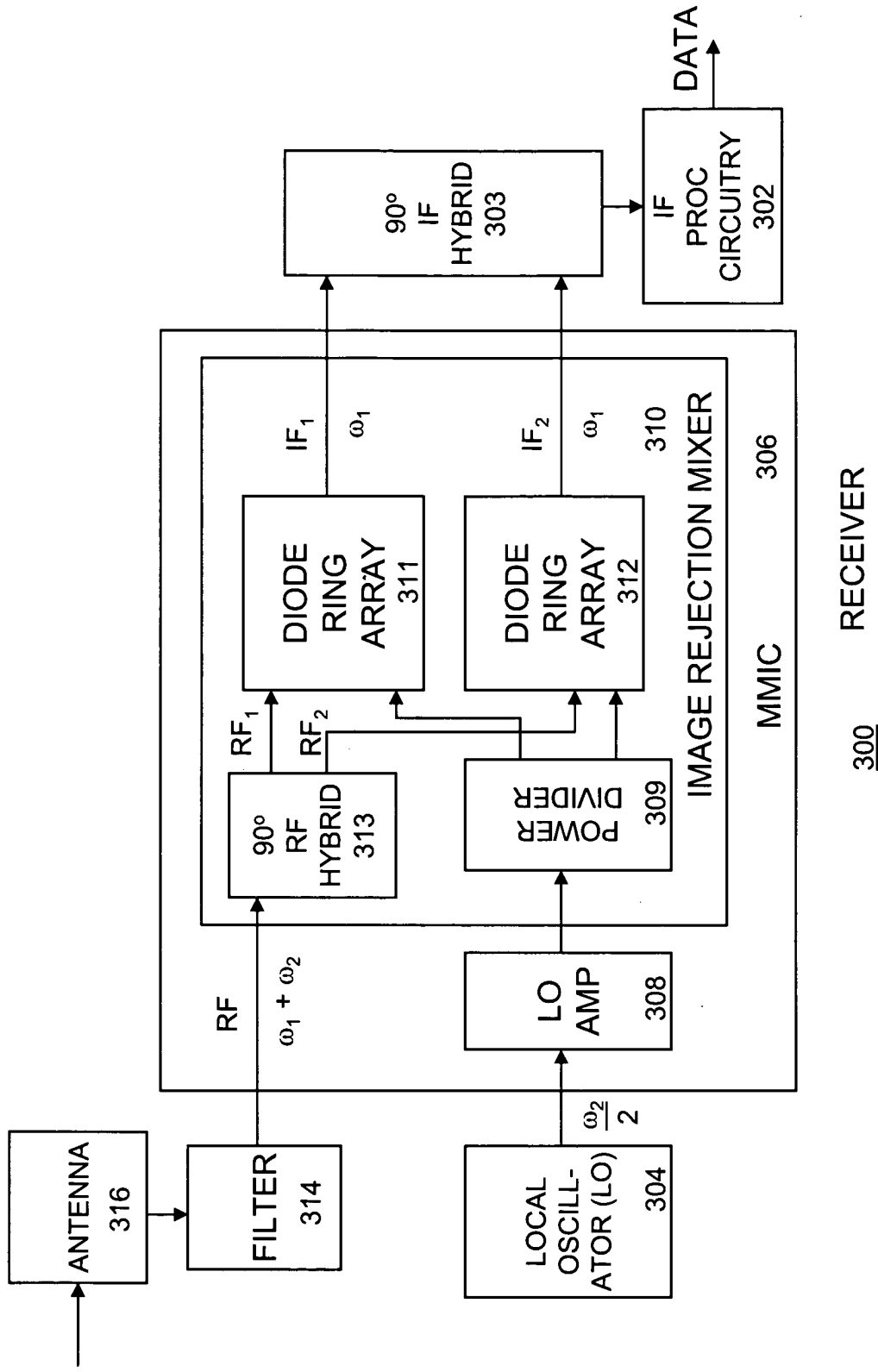
P1G40\_V5;  $f_{IF}=2.1\text{GHz}$ ;  $P_{LO}=20\text{ dBm}$

2XLO Power Level [dBm]



LO Frequency [GHz]

FIG. 13B



**FIG. 15**

Performance of Series Connected Mixer  
 $f_{IF} = 2.1 \text{ GHz}$ ;  $P_{LO} = 20 \text{ dBm}$

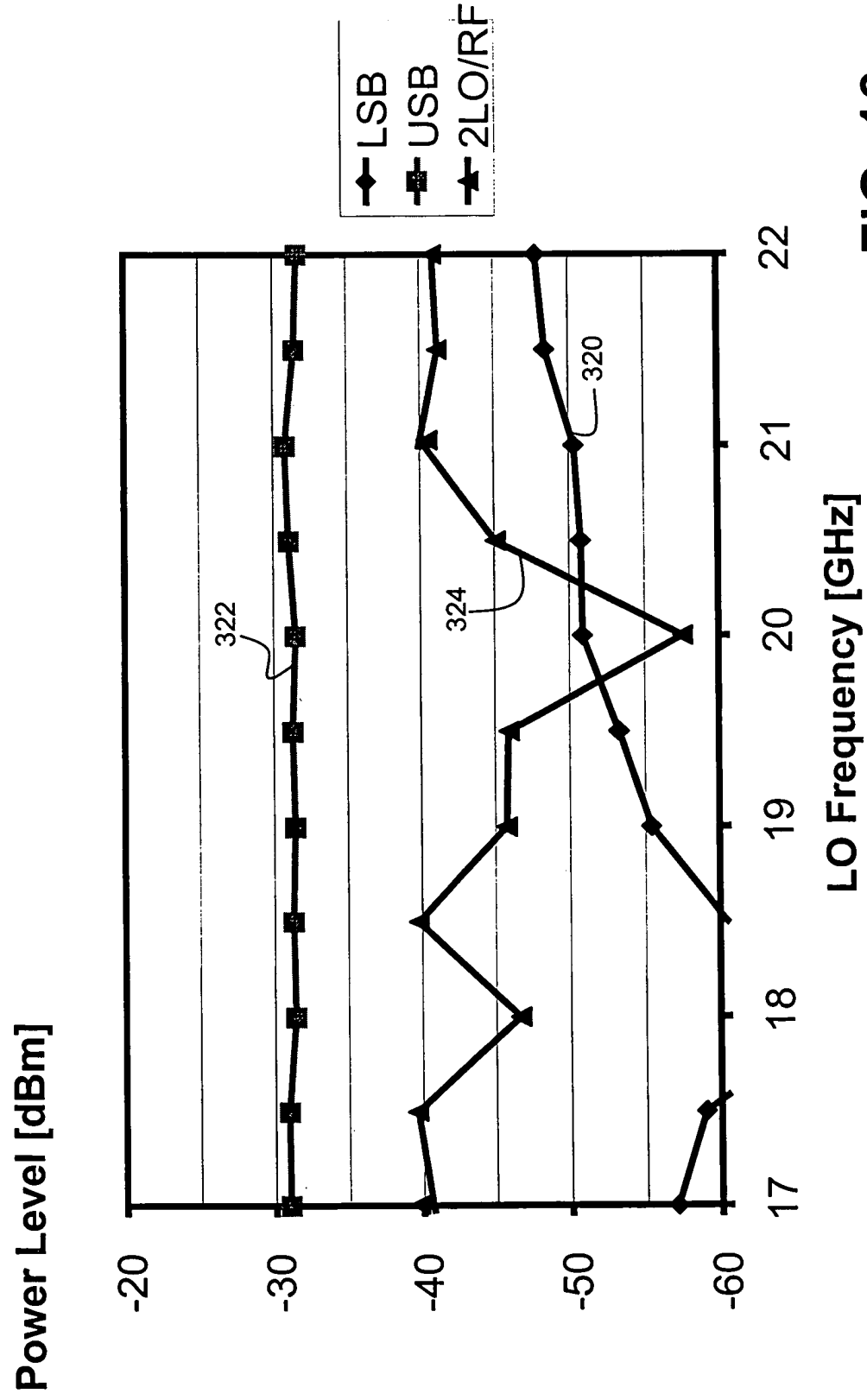


FIG. 16